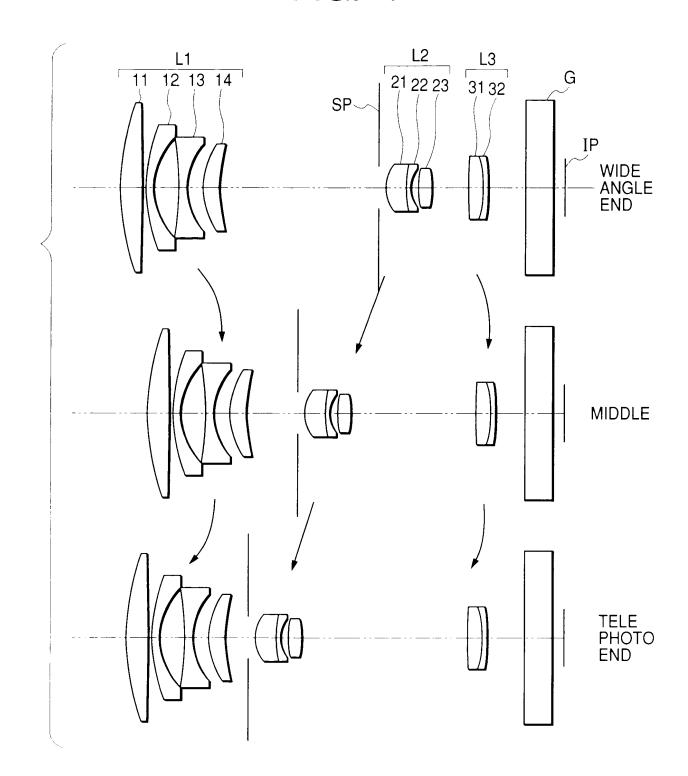
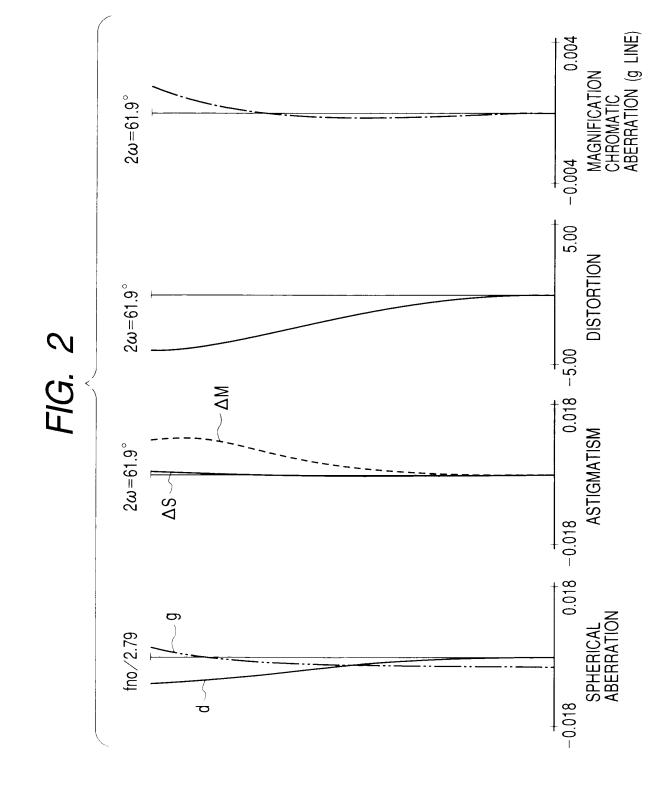
FIG. 1





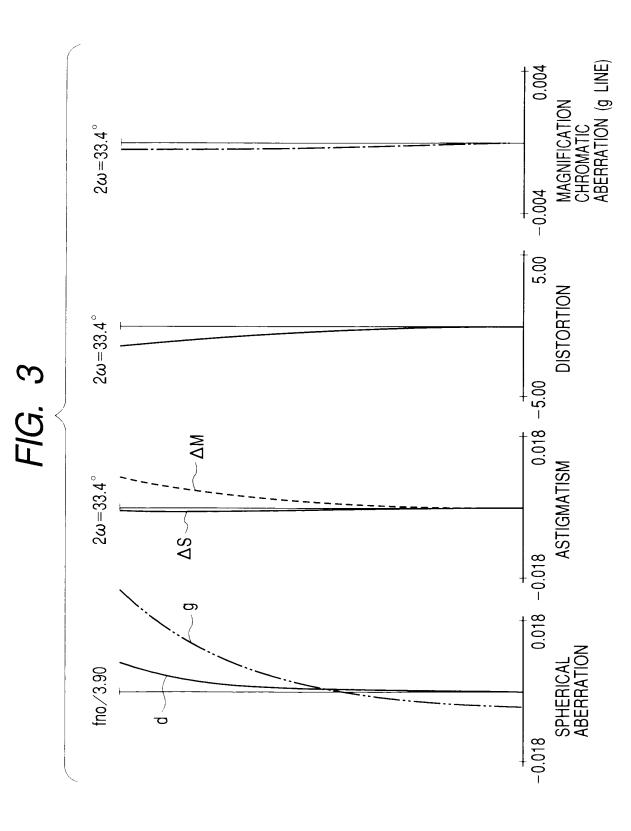


FIG. 4

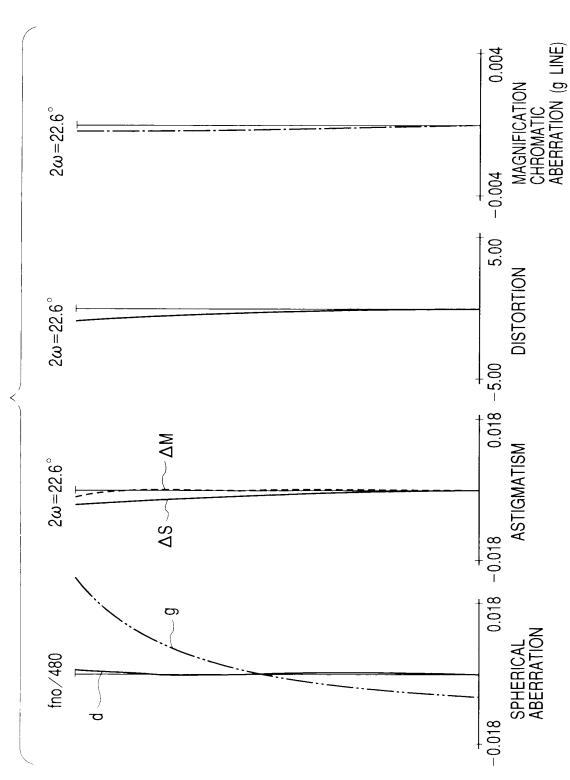
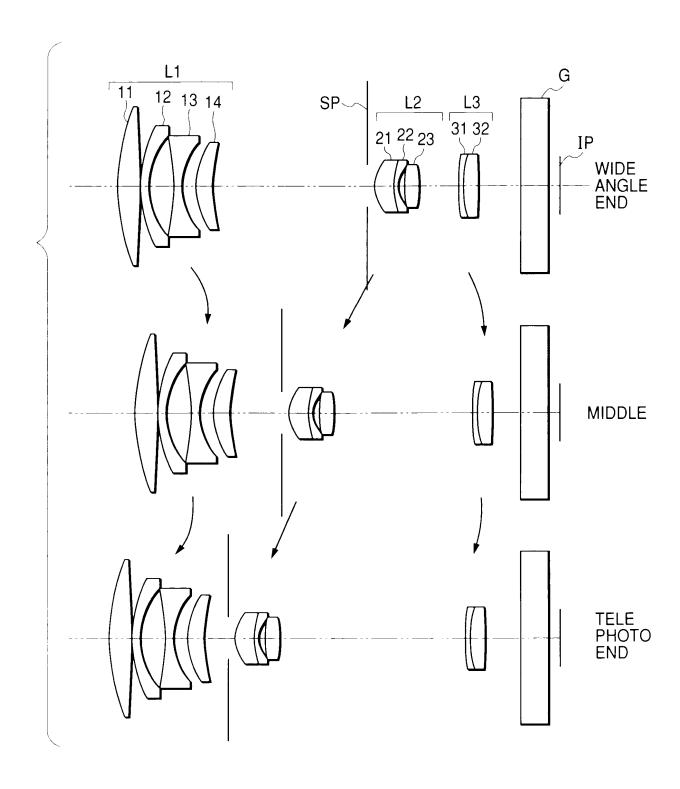
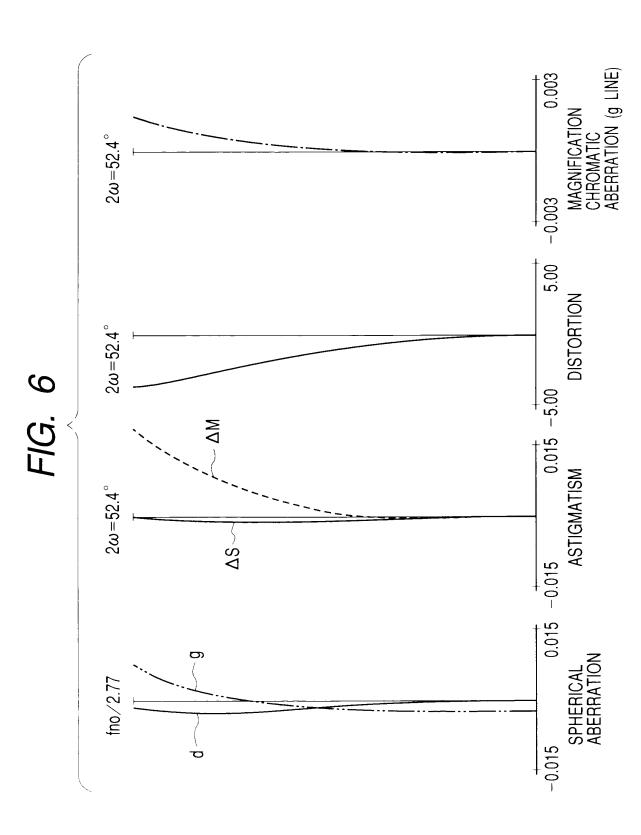
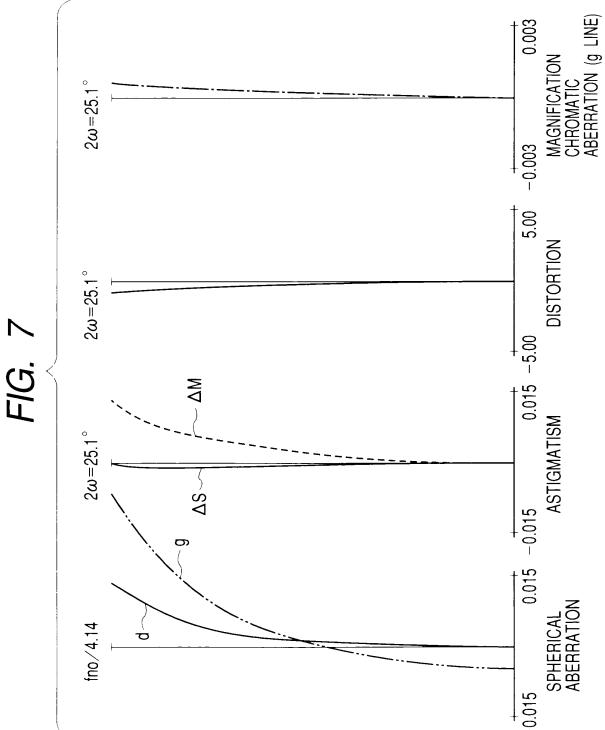


FIG. 5







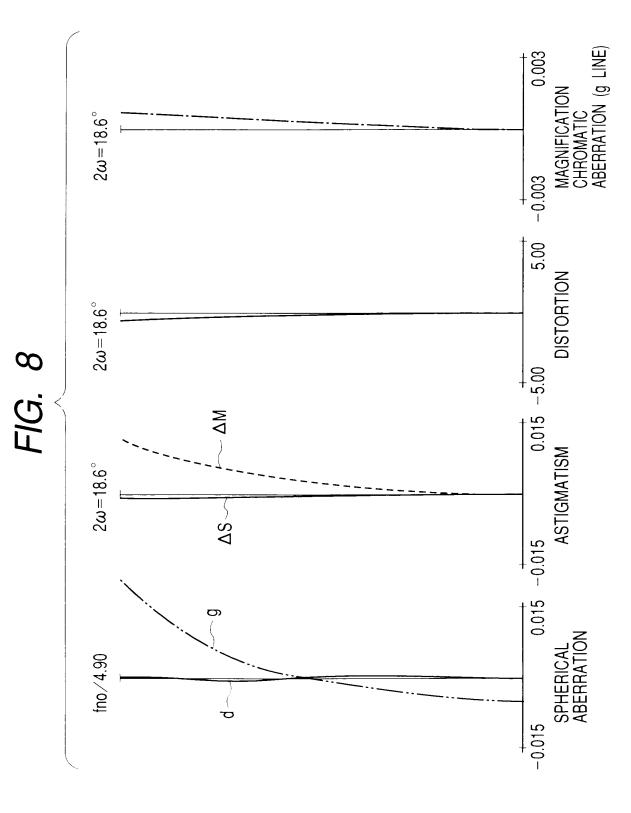
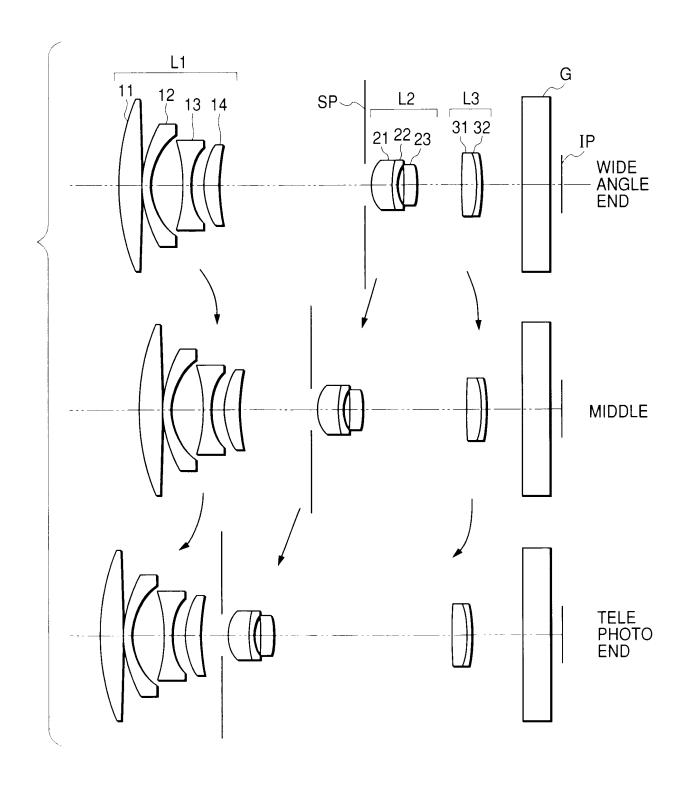
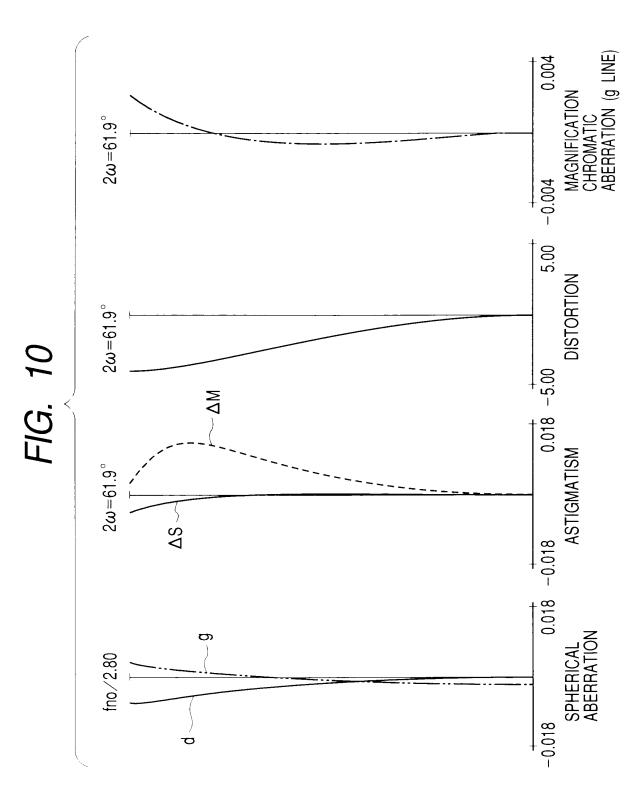


FIG. 9





 $2\omega = 38.2^{\circ}$ $2\omega = 38.2^{\circ}$ FIG. 11 MΔ $2\omega = 38.2^{\circ}$ $\Delta S \sim$ D) fno/3.62

11 / 21

MAGNIFICATION CHROMATIC ABERRATION (g LINE)

0.004

-0.004

5.00

0.018 -5.00

0.018 -0.018

DISTORTION

ASTIGMATISM

SPHERICAL ABERRATION

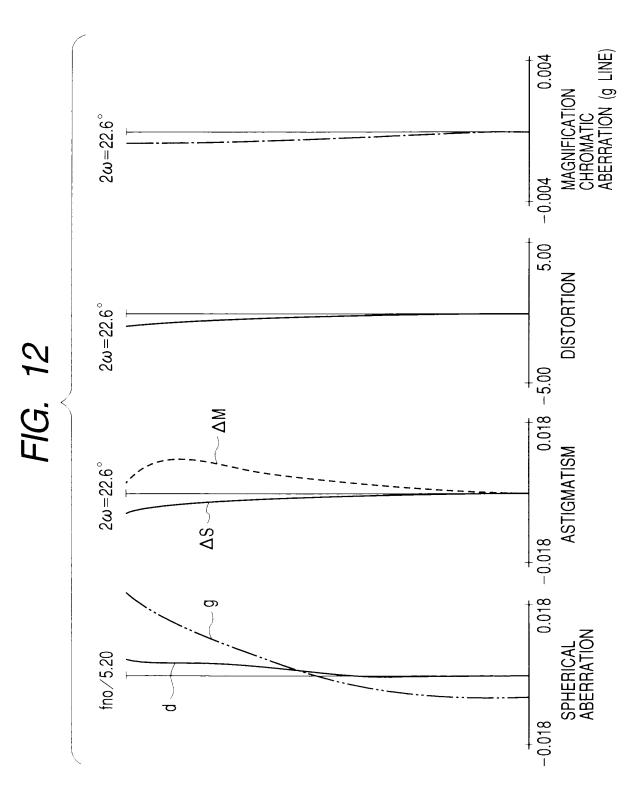
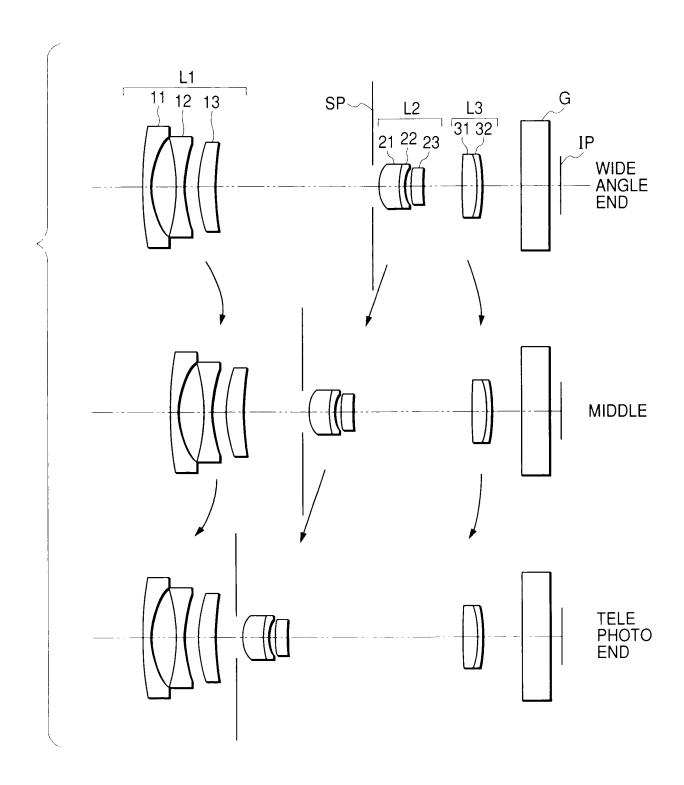
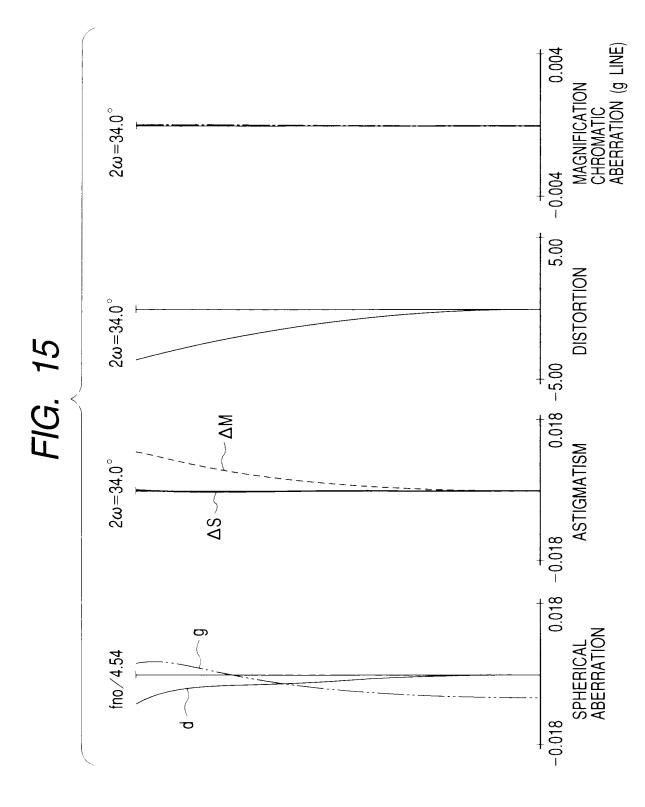


FIG. 13



MAGNIFICATION CHROMATIC ABERRATION (g LINE) $2\omega = 61.9^{\circ}$ -0.0042.00 DISTORTION $2\omega = 61.9^{\circ}$ FIG. 14 0.018 -5.00 MΩ ASTIGMATISM $2\omega = 61.9^{\circ}$ ΔS 0.018 -0.018 SPHERICAL ABERRATION fno/3.23 D -0.018\ O



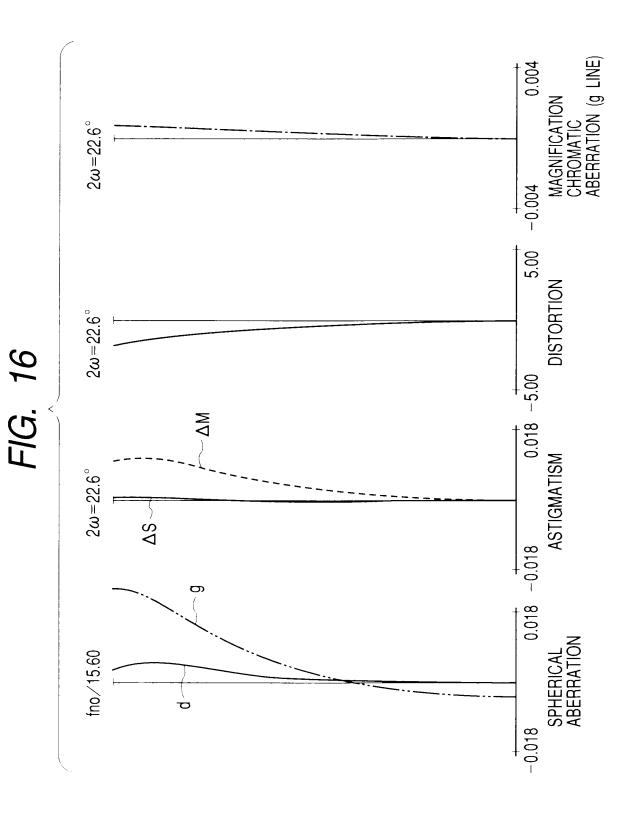
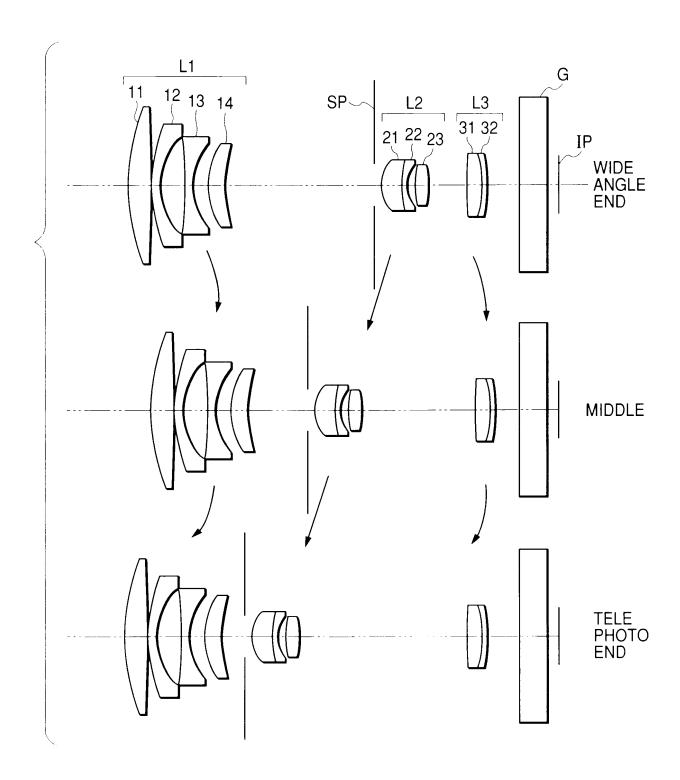
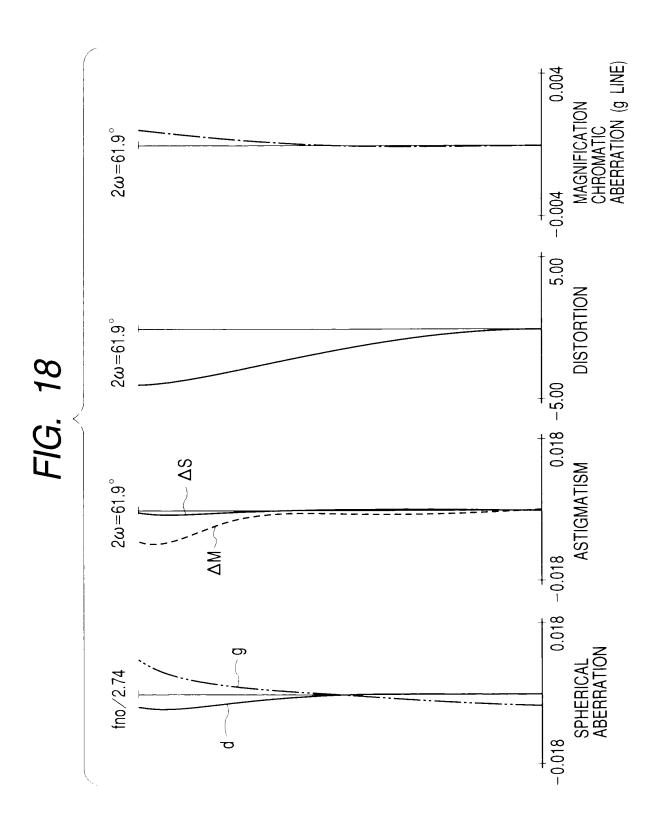
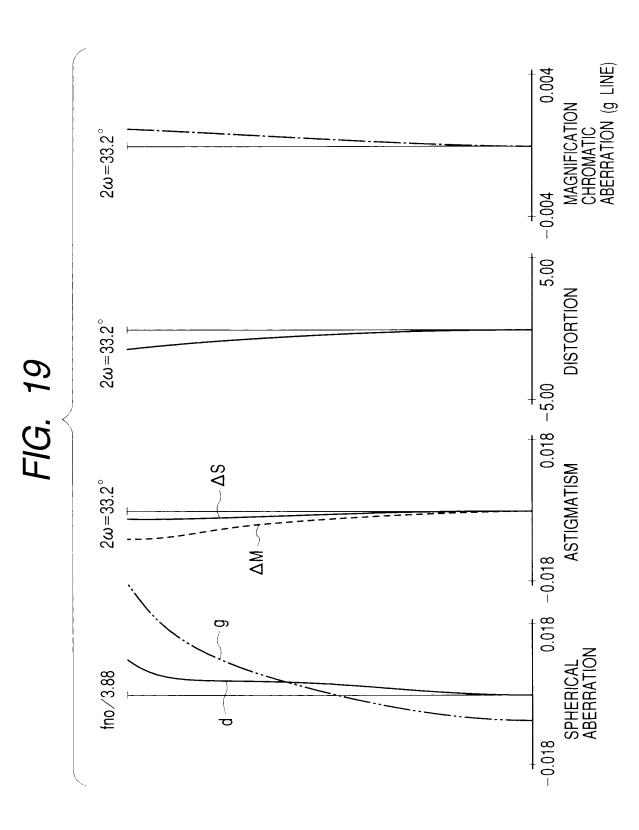


FIG. 17







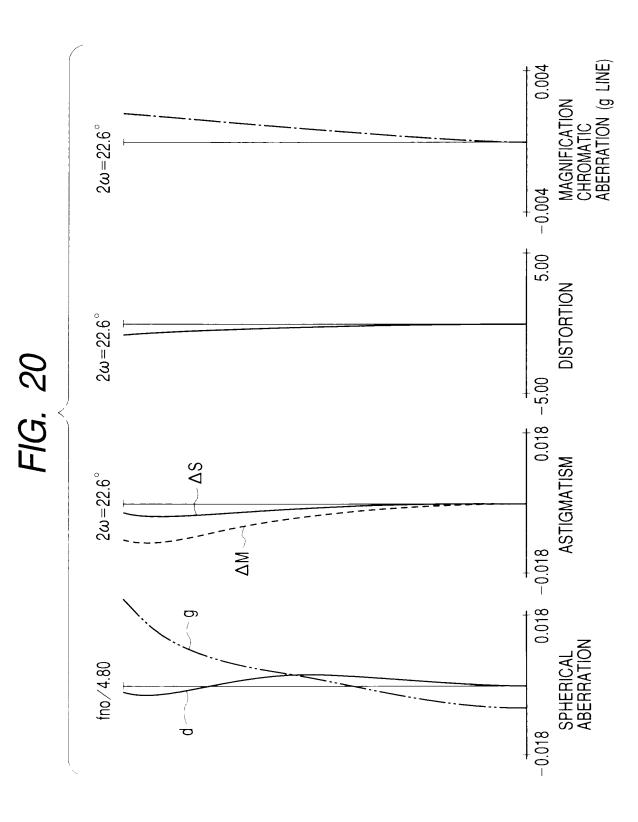


FIG. 21

